PYLE SPORTS

SPEED MASTER

ALTIMETER WITH MOTION SPEED MEASUREMENT

PPDM3

INSTRUCTION MANUAL

www.pyleaudio.com

Activation - Before starting

Speed Master Watch

Please remove the protective foil from the display when you use the speed master watch for the first time and press the A, C or D button (sound signal), until all display segments appear for a short time. You automatically reach setting the units of measurement (metric or imperial).

- Choose between the METRIC and IMPERIAL with the C button. Confirm your selection with the A button, the 24H blink.
- Choose between the 12H and 24H display with the C button. Confirm your selection with the A button, the seconds blink.

Note: By pressing and holding the C button you can use the fast forward function in the settings.

- Press the C button to reset the seconds to zero. Confirm with the A button, the minutes blink.
- Set the minutes with the C button. Confirm with the A button, the hour blink.
- Set the hours, year, month, day, weight and height as described above. Now press the D button, all settings is saved.

The speed master watch can be worn like a wristwatch.

FEATURES

SPEED MASTER

- Digital motion sensor for speed detection
- Current speed
- Target speed zone training
- Speed out zone alert
- Exercise timer
- Distance
- Step count
- Average speed, Maximum speed
- Odometer
- Km or mile unit selectable

ALTIMETER

- Altitude Measuring Range: -999 to 9999 meter (-2999 to 29999 ft)
- Max./Min. memory for altitude
- Total Altitude Gain and Loss
- Number of Hills count
- Altitude history and graphical display (up to 8 hours record)
- Meter or Feet unit selectable

BAROMETER

- Pressure range -300 mbar to 1099.9 mbar (9.00 inHg to 31.99 inHg)
- Max./ Min. memory for pressure
- Weather forecast (Sunny, Sunny Cloudy, Cloudy and Rainy)
- Temperature in degree C or degree F
- mbar or inHg unit selectable

CHRONOGRAPH

- Count-down timer
- 1/100 second 99 laps multi-split stopwatch

WATCH

- Dual time clock
- Auto Calendar
- Clock alarm
- Hourly chime signal
- Digital clock with 12/ 24 format

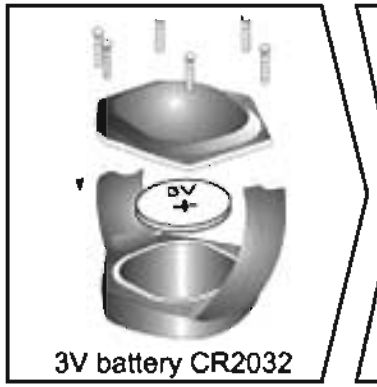
OTHER SPECIFICATIONS

- EL backlight
- Water resistant housing

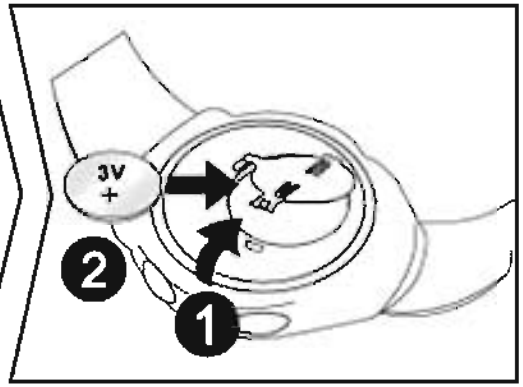
BATTERY INSTALLATION

Computer Watch

Remove the back cover of the watch with a screwdriver, install the 3.0V-battery with the positive(+) pole facing up and replace the cover. Remove the battery and reinsert it if the LCD displays irregular figures. This will clear and restart the watch's microprocessor.

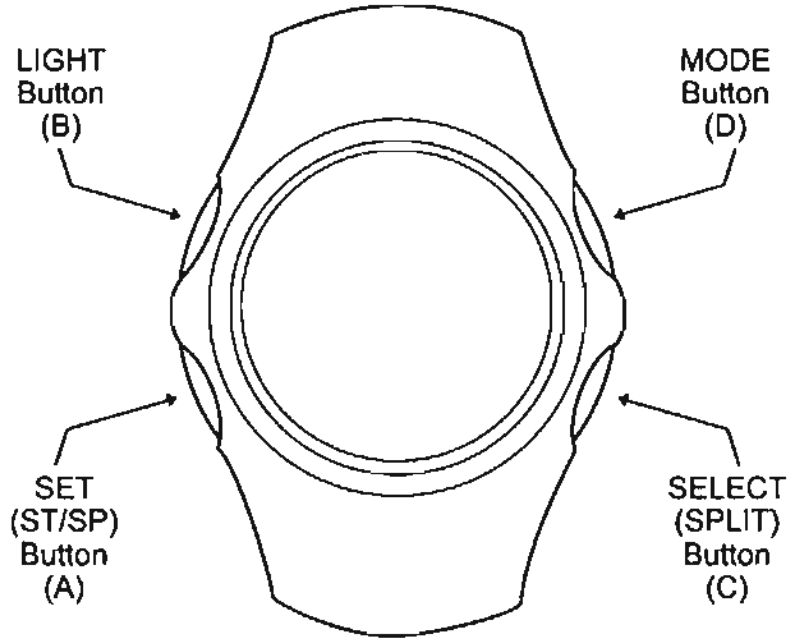


3V battery CR2032



Function Button/Modes/Settings

Function Buttons of the Speed Master Watch



Main Function Mode

The Speed Master watch has five main function modes, which are described further in the next chapters:
- Time Mode
- Stopwatch Mode
- Altimeter Mode
- Barometer Mode
- Pedometer Mode

The first mode displayed is the time mode. Press the **D** button to switch between the different modes. The different modes are described in sections **TIME MODE, STOPWATCH MODE, ALTIMETER MODE, BAROMETER MODE** and **PEDOMETER MODE**.

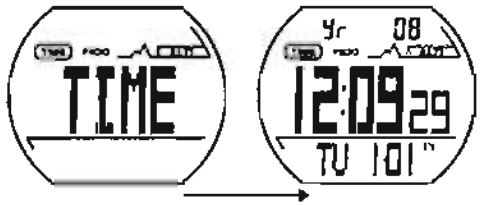
TIME MODE

Press the **D** button until you reach the time mode, shown by "TIME".

By pressing the **C** button in the time mode, you can choose between the sub-functions
- Time (TIME)
- Alarm (ALARM) and
- Countdown Timer (TIMER).

Time

Press the **C** button in the time mode until TIME is displayed.



In the time mode, the year is displayed in the upper segment of the display and the weekday and date in the lower segment.

Setting the Time

Keep the **A** button pressed for about 3 seconds, "SETTING" appears on the display and 24H blinks. Choose between the 12h and 24h display with the **C** button. Confirm your selection with the **A** button, the seconds blink.

• Press the **C** button to reset the seconds to zero. Confirm your selection with the **A** button, the minutes blink.

Note: You can use the fast forward function in the settings by pressing and holding the **C** button.

• Set the minutes with the C button. Confirm with the A button. Set the hours, year, month, day, weight and height as described above. Now press the D button, all settings is saved.

Second Time

Keep the **C** button pressed for about 3 seconds, the Speed Master Watch changes to the second time (T2 appears on the bottom right of the display).
The setting of the second time works as described in section "setting the time". Now press the **D** button, all settings are saved.

Keep the **C** button pressed for about 3 seconds to return to the normal time (T1 appears on the bottom right of the display).

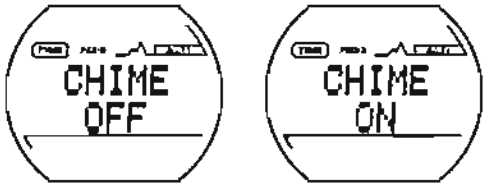
Note: Start the setting procedure again to correct any wrong settings.

Alarm

Press the **C** button in the time mode until ALARM is displayed.

Setting the Alarm

• Keep the **A** button pressed for about 3 seconds, "SETTING" appears on the display and minutes blink. Set the minutes with the **C** button. Confirm your selection with the **A** button, the hours blink.
• Set the hours with the **C** button. Confirm with the **A** button, the month blinks.
• Set the month with the **C** button. Settings of 1, 2, 3,... 11, 12 and – are possible. If you choose –, the alarm sounds every month (on the set day - see the next section, "setting the day"). Confirm with the **A** button, the day blinks.
• Set the day with the **C** button. Settings of 1, 2, 3, 30, 31 and – are possible. If you choose –, the alarm sounds every day. Confirm with the **A** button, the button CHIME (hourly alarm) blinks.
• You can now set the hourly alarm to ON or OFF with the **C** button.



Bell symbol displayed = hourly alarm on
Bell symbol not displayed = hourly alarm off

Now press the **D** button, all settings are saved and the set alarm is activated automatically.

Activate/Deactivate Alarm

Press the **A** button when the alarm time is displayed
Alarm symbol is displayed = alarm on
Alarm symbol not displayed = alarm off

Switch off Alarm

When the alarm rings, you can switch it off by pressing the **A**, **C** or **D** button.

Activate/Deactivate Snooze Alarm

When the alarm rings, you have not press any button.
After 30 seconds, Snooze symbol ( ) starts to blink. Snooze alarm repeats for 5 times with an intetval of 2 minutes each. After that the alarm will sound at the same time next day.

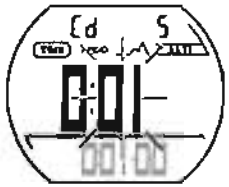
Countdown Timer

Press the **C** button in time mode until TIMER is displayed.

The Speed Master Watch possesses a countdown timer and a count up timer.

Basic setting 00:01:00 (1 minute)

Keep the **A** button pressed to set the countdown timer, "SETTING" appears.
Set the minutes with the **C** button, confirm with the **A** button, select the hours with the **C** button, confirm with the **A** button.



r: The timer starts to count down the previously set time again after zero is reached.
U: The timer starts to count up from zero after zero is reached.
S: The timer stops after zero is reached.

Confirm the entry with the **D** button.

For all three types of timers applies:
- Press **A** button - Timer starts
- Press **A** button again - Timer stops
- Press **A** button again - Timer continuous
- Keep **A** pressed for about 3 seconds when the time is stopped - timer resets to the originally set time.
- When the countdown timer reaches zero, an alarm sounds, which ends after about 15 seconds, or can be ended by pressing the **A**, **C** or **D** button.

STOPWATCH MODE

Press the **D** button until you reach the stopwatch mode, shown by "CHRONO".

In stopwatch mode you can choose between the sub functions
- CHRONO (stopwatch) and
- DATA RECALL (view data)

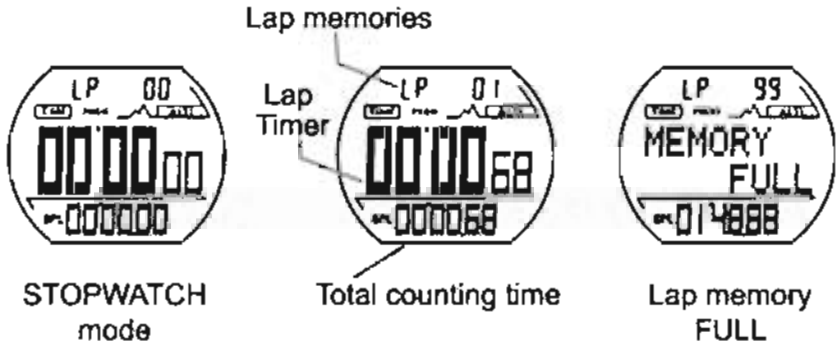
Stopwatch

Press the **C** button in the stopwatch mode until CHRONO is displayed.

Note: Switching between "stopwatch" and "data recall" only works if at least 1 lap has been recorded.

99 lap times can be saved. If the lap memory is full, the display MEMORY FULL appears.

- Press **A** button to start / stop the stopwatch.
- Press **C** button to record the lap memory when the stopwatch is counting.
- If the stopwatch saves over 99 laps, it will display FULL.
- To reset the stopwatch, press and hold **A** button to zero.

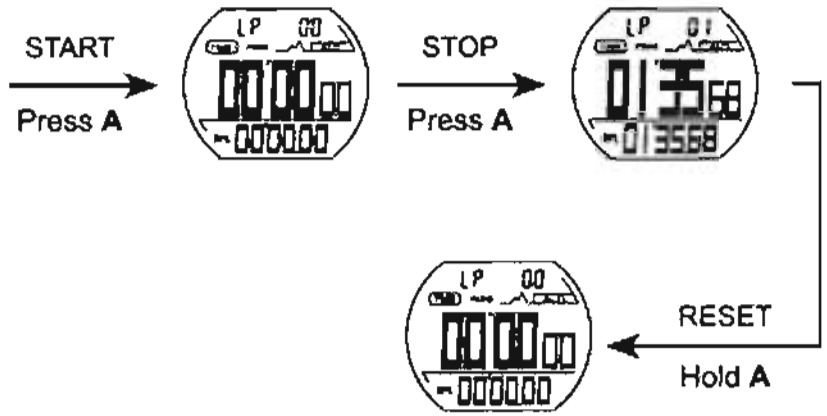


To recall the stopwatch memory

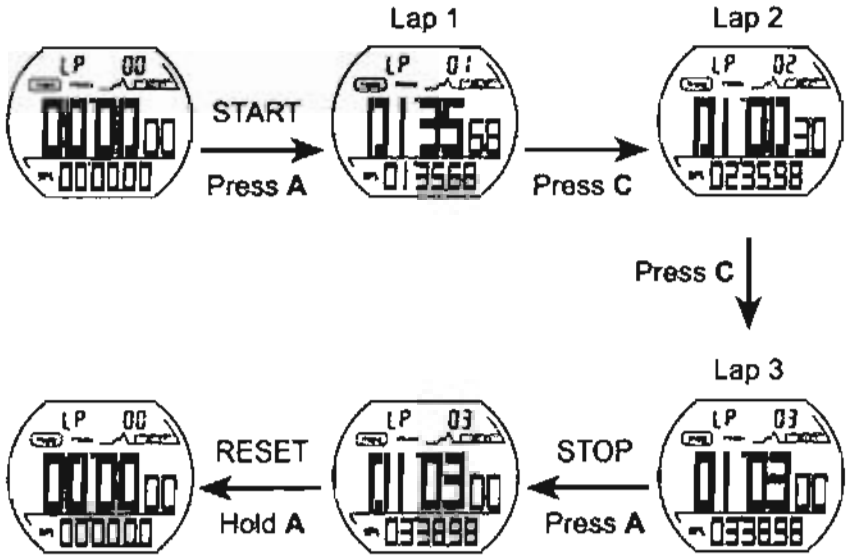
- Press **A** button to stop the stopwatch, then press **C** button to enter data recall mode.
- Display show the record of BEST LAP, the icon "BEST-LAP" will be displayed.
- Press **A** button to read different lap memories.
- Press **C** button to exit the memory recall mode.

For your reference, you can following methods to take different measurement:

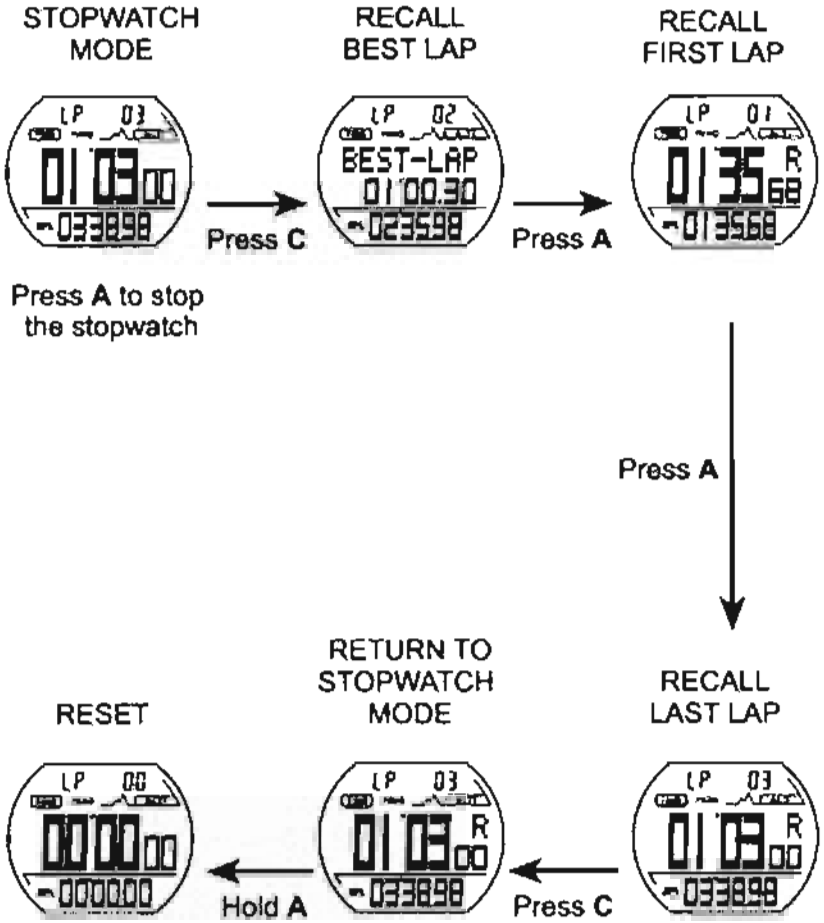
STANDARD MEASUREMENT : A-A-A



LAP TIME MEASUREMENT : A-C-C-A-A



RECALL LAP MEMORY : C-A-A-.....A-C-A



ALTIMETER MODE

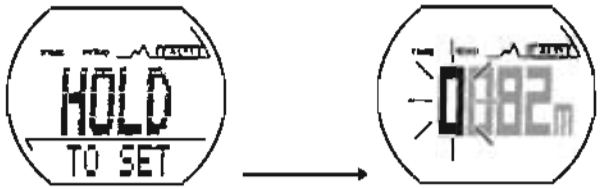
Press the **D** button until you are in the altimeter mode, displayed by "ALTI".

By pressing the **C** button in the altimeter mode, you can choose between the sub functions

- Clock (ALTI)
- Memory of Maximum Altitude (HIGH)
- Memory of Minimum Altitude (LOW)
- Total Altitude Gain (UP)
- Total Altitude Loss (DOWN)
- Number of Hills (HILL)
- Record

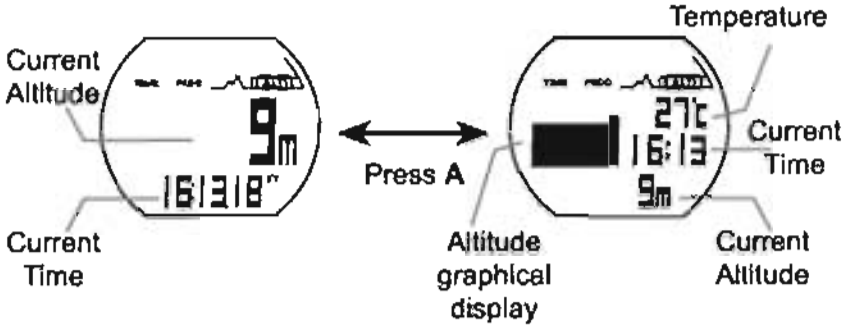
Setting the Altitude

Press the **C** button in the altimeter mode until CLOCK or ALTI is dispalyed.
Keep the **A** button pressed for about 3 seconds, "SETTING" appears on the display, the altimeter digits will start to flicker.
Press the **C** button to select and then press the **A** button to confirm.



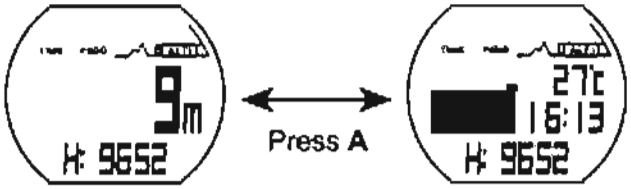
Time

Press the **C** button in the altimeter mode until ALTI is displayed.
The time is shown in the lower segment of the display, in the middle the current altitude.
Press the **A** button, the time, temperature and graphical display is shown in the middle segment of the display. The current altitude is shown in the lower segment.



Memory of Maximum Altitude

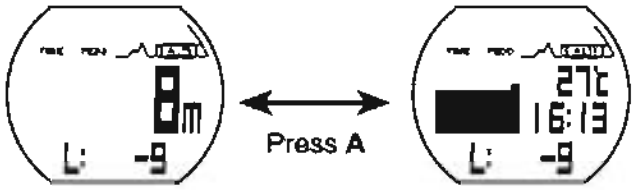
Press the **C** button in the altimeter mode until HIGH is displayed.
The memory of maximum altitude is shown in the lower segment of the disp ay, in the middle the current altitude.
Press the **A** button, the time, temperature and graphical display is shown in the middle segment of the display.



Keep the **A** button pressed - the display RESET appears - reset the maximum altitude.

Memory of Minimum Altitude

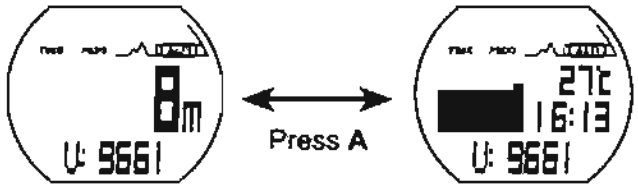
Press the **C** button in the altimeter mode until LOW is displayed.
The memory of mimimum altitude is shown in the lower segment of the display, in the middle the current altitude.
Press the **A** button, the time, temperature and graphical display is shown in the middle segment of the display.



Keep the **A** button pressed - the display RESET appears - reset the minimum altitude.

Total Altitude Gain

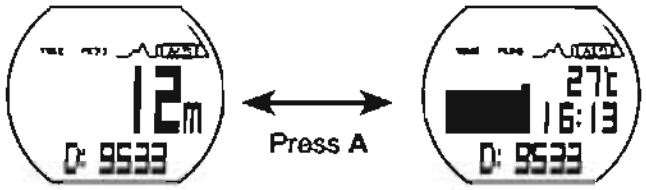
Press the **C** button in the altimeter mode until UP is displayed.
The total altitude gain is shown in the lower segment of the display, in the middle the current altitude.
Press the **A** button, the time, temperature and graphical display is shown in the middle segment of the display.



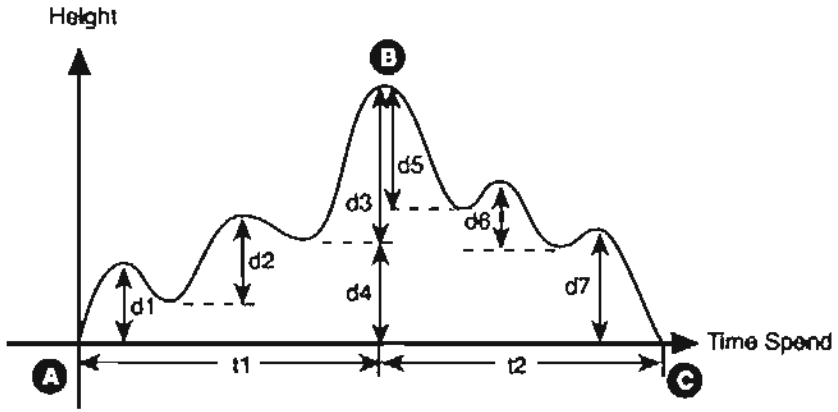
Keep the **A** button pressed - the display RESET appears - reset the total altitude gain.

Total Altitude Loss

Press the **C** button in the altimeter mode until DOWN is displayed.
The total altitude loss is shown in the lower segment of the display, in the middle the current altitude.
Press the **A** button, the time, temperature and graphical display is shown in the middle segment of the display.



Keep the **A** button pressed - the display RESET appears - reset the tota' altitude loss.



From Ⓐ to Ⓑ , (Ascending)
Total altitude displacement for ascending
(Total Altitude Gain) = d1+d2+d3

From Ⓑ to Ⓒ , (Descending)
Total altitude displacement for descending
(Total Altitude Loss) = d5+d6+d7

Number of Hills Count

Press the **C** button in the altimeter mode until HILL is displayed.
The number of hills is shown in the lower segment of the display, in the middle the current altitude.
Press the **A** button, the time, temperature and graphical display is shown in the middle segment of the display.

Keep the **A** button pressed - the display RESET appears - reset the number of hills count.

Record

Press the **C** button in the altimeter mode until RECORD is displayed.
The record is shown in the lower segment of the display, in the middle the time. The altitude history & graphical display records the altitude changes for the past 8 hours.
If you want to know the altitude record for a particular during the past 8 hours, press the **A** button. The record time is shown for each particular altitude record.

Keep the **A** button pressed - the display RESET appears - start a new altitude record.

BAROMETER MODE

Press the **D** button until you are in the altimeter mode, displayed by "BARO".

By pressing the **C** button in the barometer mode, you can choose between the sub functions
- Time (BARO)
- Memory of Maximum Barometer (HIGH)
- Memory of Minimum Barometer (LOW)

Setting the Barometer

Keep the **A** button pressed for about 3 seconds, "SETTING" appears on the display, press the **C** button to select the weather states and then press the **A** button to confirm.
Right after the weather state setting, the barometer digits will start to flicker.
Press the **C** button to select and then press the **A** button to confirm.

There are four different states:
Sunny, Sunny-cloudy, Cloudy and Rainy

Sunny

Sunny-cloudy

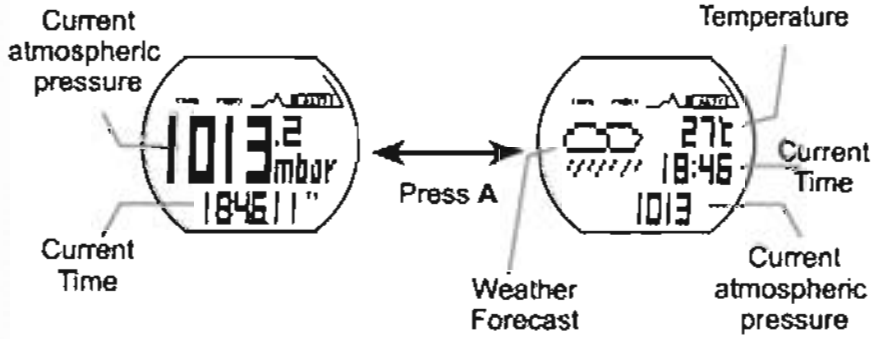
Cloudy

Rainy

- The unit is capable of detecting atmospheric pressure changes to predict the weather for the forthcoming 8 hours.
- The weather forecast is meant for the next 8 hours. It may not necessarily reflect the current weather situation.
- The accuracy of all general pressure-based technology weather forecast is about 70%, and therefore, cannot be held responsible for any inconveniences so caused by an inaccurate one.

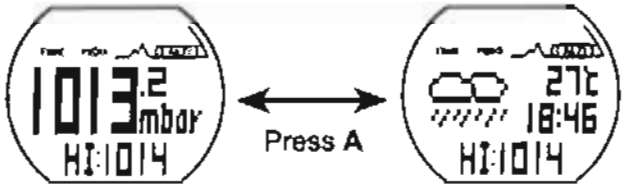
Time

Press the **C** button in the barometer mode until BARO is displayed.
The clock is shown in the lower segment of the display, in the middle the current atmospheric pressure.
Press the **A** button, the weather forecast, temperature and time is shown in the middle segment of the display. The current atmospheric pressure is shown in the lower segment.



Memory of Maximum Barometer

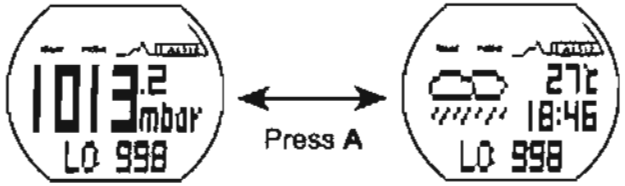
Press the **C** button in the barometer mode until HIGH is displayed.
The memory of maximum barometer is shown in the lower segment of the display, in the middle the current pressure.
Press the **A** button, the weather forcast, temperature and time is shown in the middle segment of the display.



Keep the **A** button pressed - the display RESET appears - reset the maximum barometer.

Memory of Minimum Barometer

Press the **C** button in the barometer mode until LOW is displayed.
The memory of minimum barometer is shown in the lower segment of the display, in the middle the current pressure.
Press the **A** button, the weather forcast, temperature and time is shown in the middle segment of the display.



Keep the **A** button pressed - the display RESET appears - reset the minimum barometer.

Important notes

Altimeter

- Unfortunately all altimeter are going to be affeced by barometric pressure (unless they are GPS controlled or similar) as this is what they use to calculate their height.
- To offset this barometric effect on altimeter, please keep a check and re-adujst the altimeter when you are at known heights or re-setting your watch to zero at sea-level.

Temperature

- The temperature displayed is the temperature of the case inside. Hence, it is influenced by your body temperature.
- To display the actual temperature, the watch must be taken off the hand for about 15 to 30 minutes and must not be exposed to direct sunlight.

PEDOMETER MODE

Press the **D** button until you reach the pedometer mode, shown by "PEDO".

By pressing the **C** button in the pedometer mode, you can choose between the sub functions

- Speed calibration and speed alarm (ZONE)
- Total distance (ODOMETER)
- Number of steps (STEP)
- Calories, fat and BMI (CALORIE)
- Timer (TIMER)
- Daily distance (DISTANCE)
- Average speed (AVG SPEED)
- Maximum speed (MAX SPEED)

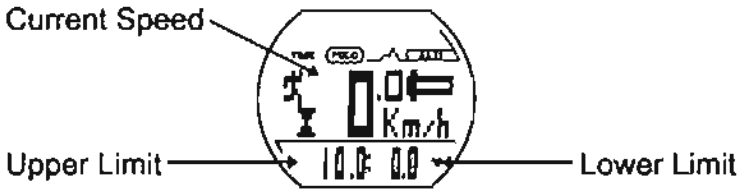
Press the **A** button to turn on the pedometer, the body icon ( ) will animate. Press the **A** button again to stop the pedometer. The current speed is shown in the middle segment of the display.

Note: If in the pedometer mode the watch is keep idle for about 5 minutes, the watch automatically changes into the time mode.

Speed Calibration and Speed Alarm

Press the **C** button in the pedometer mode until ZONE is displayed.

The lower and upper limits for speed target alarm are shown in the lower segment of the display, in the middle the current speed.



Setting of the speed alarm as well as calibration of the speed for walking and running.

Note:
It does not matter if you want to only walk or run, under all circumstances perform a calibration for walking AND running to receive a meaningful result.
If you really only want to walk, calibrate for walking (walking) AND running (fast walking).

In case you do not calibrate your watch, the displayed values have only limited significance. In that case the watch falls back on a standard calibration, which does not correspond to your personal movement profile.

During the calibration the watch records your personal movement profile. The steadier you walk or run, the more exact the results will be. It is also true: the longer the distance for calibration is, the more exact the results will be.

The speed master watch automatically perceives, based on the calibration, whether you are walking or running during your training, and correspondingly displays the speed, steps, etc..

Choose the same speed and rhythm as during calibration when you are running and walking, to get a meaningful result. If you wore the speed master watch on the left (right) hand during calibration, wear it also on your left (right) hand during training.

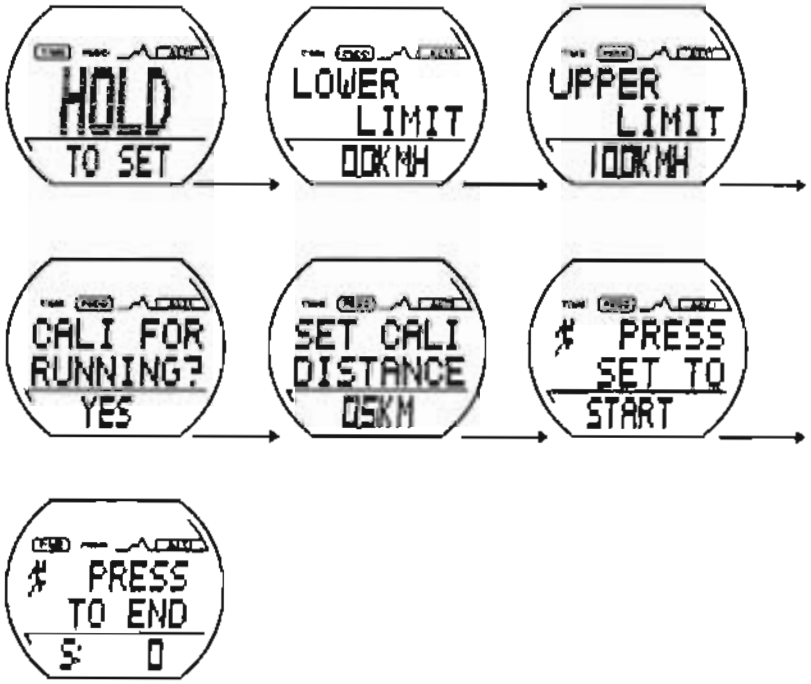
- Keep the **A** button pressed - the display SETTING appears.
- The display LOWER LIMIT (lower limit of the speed) appears, set with the **C** button (0.0 to 39.0 km/h possible), confirm with the **A** button.

- The display UPPER LIMIT (upper limit of the speed) appears, set with the **C** button (1.0 to 40.0 km/h possible), confirm with the **A** button.

- Display CALI. FOR RUNNING (calibration for running) appears, you can choose between YES or NO with the **C** button.Choose YES and confirm with the **A** button.

- Display SET CALI DISTANCE appears, choose with the **C** button (0.1 to 1.0 km possible), confirm with the **A** button.

- Display PRESS SET TO START appears, start with **A** button.Now run the chosen distance (the display PRESS TO END appears) and press the **A** button when finished running.



- Display CALIBR. OKI and SAVE appears The calibration was correct and was saved.

- The watch now changes to the display CALI FOR WALKING (calibration for walking).

It is important that you also perform the calibration for walking, as described in the following section:

- You can choose between YES and NO with the **C** button. Choose YES and confirm with the **A** button.

- Display SET CALI DISTANCE appears, choose with the **C** button (0.1 to 1.0 km possible), confirm with the **A** button.

- Display PRESS SET TO START appears, start with **A** button.
  Now walk the chosen distance (the display PRESS TO END appears) and press the **A** button when finished walking.

- Display CALI. OKI and SAVE appears The calibration was correct and was saved.

- Finally press the **D** button, the watch changes to the initial position (display of current speed and lower and upper limits for the speed).

Calibration not Successful.
In case the calibration was not successful, the display CALI FAILED appears. After a few seconds the display CALI FOR RUNNING or WALKING appears again and you can start a new calibration.

Stop Calibration

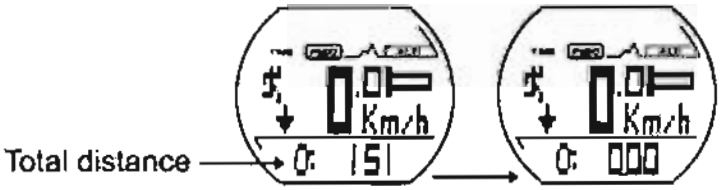
Press the **D** button during calibration in case you want to stop the calibration. The display CALI CANCEL appears. The watch automatically changes to the initial position (display of current speed and lower and upper limits for the speed). You can now start a new calibration.

Speed Alarm

Keep the **C** button pressed while the upper and lower limits for speed are displayed.
Alarm symbol appears = speed alarm activated
alarm symbol ceases = speed alarm deactivated
If the speed drops below the lower limit or rises above the upper limit, an alarm sounds (if activated!).

Total Distance

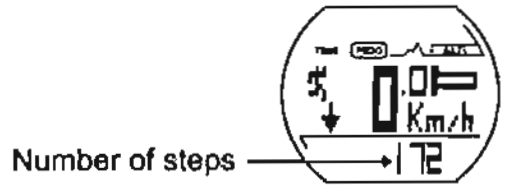
Press the **C** button in the pedometer mode until ODOMETER is displayed.
The total distance is shown in the lower segment of the display, in the middle the current speed.



Keep the **A** button pressed - the display RESET appears - reset the odometer to zero.

Number of Steps

Press the **C** button in the pedometer mode until STEP is displayed.
The number of steps is shown in the lower segment of the display, in the middle the current speed.



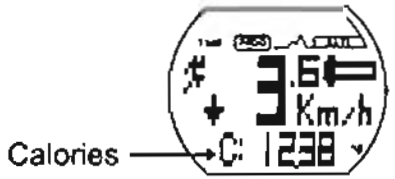
Keep the **A** button pressed - the display RESET appears - reset the number of steps to zero.

Calories, Fat Burn and BMI

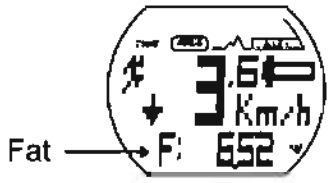
Press the **C** button in the pedometer mode until CALORIE is displayed.
In the lower segment of the display calories, fat burn and BMI are displayed (switch with the **A** button), in the middle the current speed.

Calories

The metabolic rate in calories is measured automatically when you activate the step count in pedometer mode. The measured value is shown in the bottom line of the display (C:...). Press and hold the **A** button (shown by RESET) to reset the value to zero.



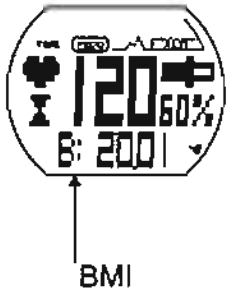
Fat Burn
As soon as you activate the step count in pedometer mode, the estimated value of the burned fat in grams is shown in the lower line of the display (F:.).
Press and hold the **A** button (shown by RESET) to reset the value to zero.



Note: It is necessary to enter the correct date of birth and weight to receive a meaningful value of calorie consumption and fat burning.

Note: The body fat function is only active, if the training intensity is more than 120bpm.

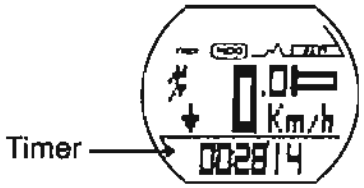
BMI (Body Mass Index)



Age (years)	BMI normal value (kg/m2)
19-24	19 - 24
25-34	20 - 25
35-44	21 - 26
45-54	22 - 27
55-64	23 - 28
> 64	24 - 29
approximate values of the BMI	

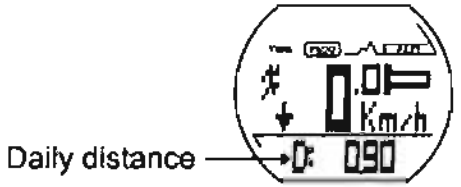
The BMI (Body Mass Index) is a measured value for the evaluation of the body weight of humans. The BMI only gives a rough guidance level.
The BMI is calculated by dividing the body weight in kg by the body size in metres squared. The heart rate monitor watch automatically calculates the BMI from the entered data.

Timer
Press the **C** button in the pedometer mode until TIMER is displayed.
The timer is shown in the lower segment of the display, in the middle the current speed.



The timer starts as soon as you activate the step count. Keep the **A** button pressed until the display RESET appears - timer, daily distance and average speed are reset to zero.

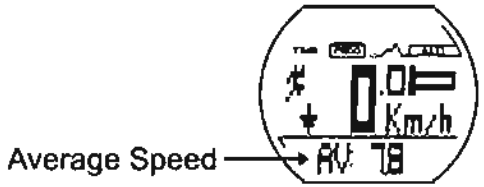
Daily Distance
Press the **C** button in the pedometer mode until DISTANCE is displayed.
The covered distance is shown in the lower segment of the display (with 2 decimal places), in the middle the current speed.



Keep the **A** button pressed until the display RESET appears - timer, daily distance and average speed are reset to zero.

Average Speed

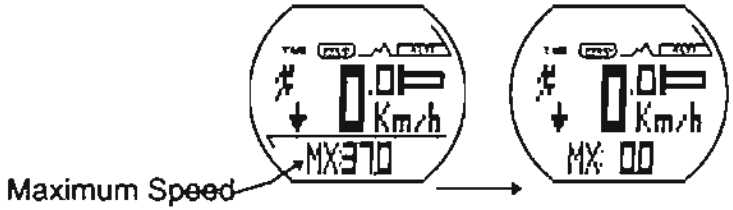
Press the **C** button in the pedometer mode until AVG SPEED is displayed.
The average speed is shown in the lower segment of the display, in the middle the current speed.



Keep the **A** button pressed until the display RESET appears - timer, daily distance and average speed are reset to zero.

Maximum Speed

Press the **C** button in the pedometer mode until MAX SPEED is displayed.
The maximum speed is shown in the lower segment of the display, in the middle the current speed.



Keep the **A** button pressed - the display RESET appears - reset the maximum speed to zero.

NOTE:
Why is the displayed covered distance incorrect?
Have you performed a calibration? For optimum results the calibration has to be performed for "walking" as well as "running". A shuffling gait, bad shoes and varying surface can lead to inaccurate measurements. A lower distance is measured when climbing steps, because the watch is designed for even surfaces. Choose the used during calibration speed when walking or running. Please note that the measurements of untrained persons can be inaccurate/irregular.

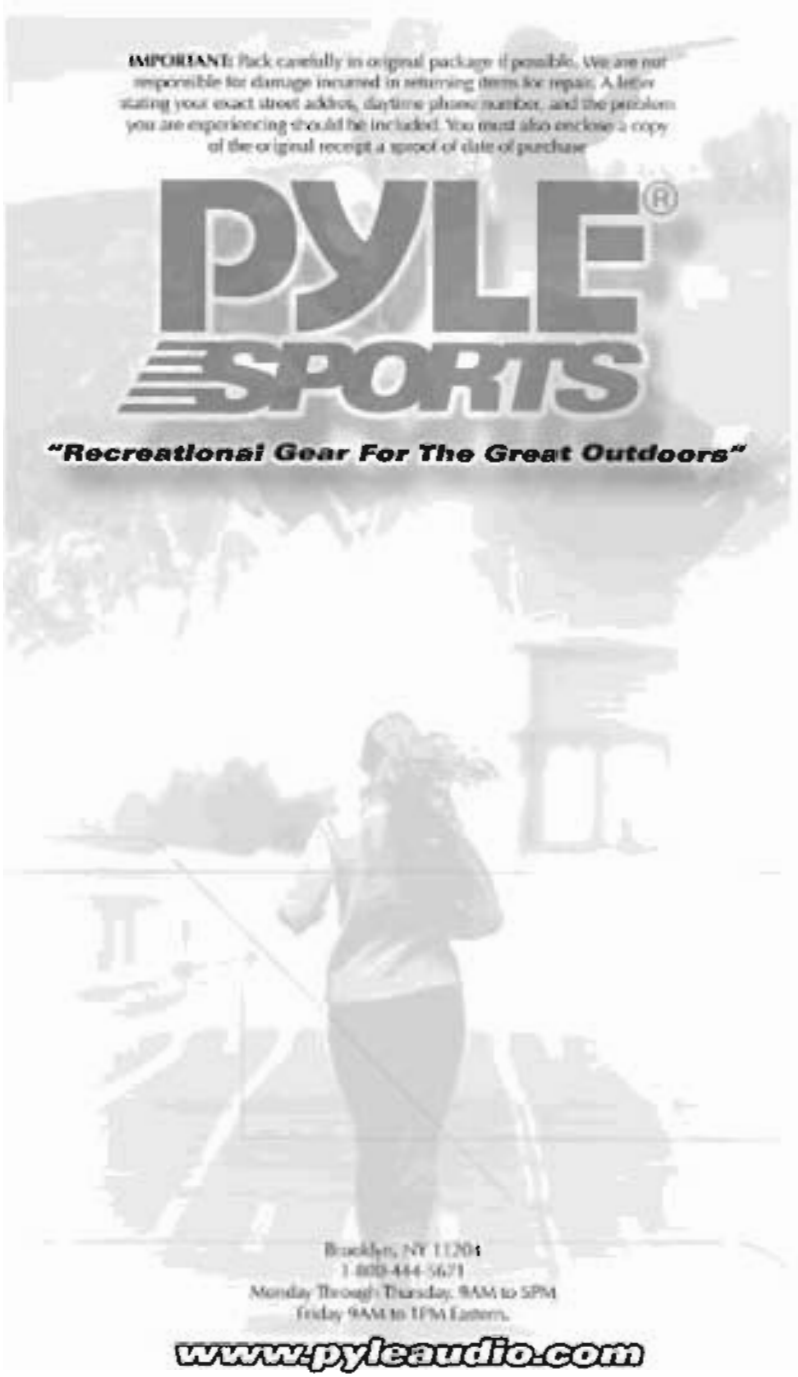
DISPLAY BACKLIGHT

The display is illuminated for about 2 seconds by pressing the **B** button, so you can read the display of the speed master watch in darkness. A permanent illumination of the display is not possible. Please note that the illumination consumes more power, which reduces the lifespan of the battery.

TROUBLESHOOTING

"LO BATT" displayed	• Weak computer battery. Replaced it immediaely
Irregular figures on the display	• Remove the computer battery and reinsert it.
The setting (unit, body height, time) are not stored	• Did you complete the setting with ST/SP/SET?
The steps are not counted	• Have all settings been made? • Have the pedometer turned on?
Malfunctions occur	• Are the batteries flat? • Reset the appliance to the factory settings by briefly removing the batteries.
The display backlight not work	• Is the battery empty? Please check the battery and replace it if it is empty. Note the +/- pole.

Art No :PYLE_SPORTS-PPDM3


IMPORTANT: Pack carefully in original package if possible. We are not responsible for damage incurred in returning items for repair. A letter stating your exact street address, daytime phone number, and the problem you are experiencing should be included. You must also enclose a copy of the original receipt a proof of date of purchase
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